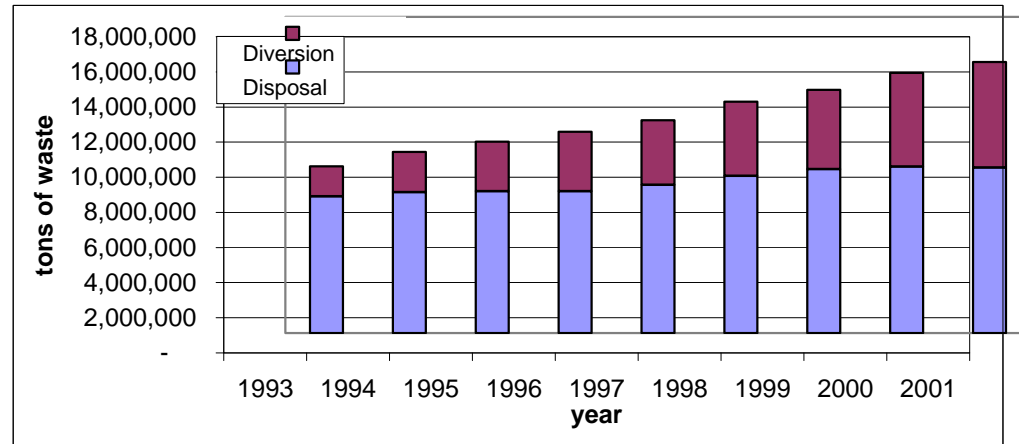


INDIANA SOLID WASTE DISPOSAL

Analysis of % Diversion - ESTIMATE

Notes:

- Disposal, Diversion, and Generation are given in tons.
- Per capita values are in units of lbs/person/day.
- All waste types have been included.
- Only non-industrial final disposal facilities have been included:
MSWLs, C/D, large SW incinerators, and wastewater sludge monofils.
- Does NOT include waste received from out-of-state.
- Source reduction is accounted for in Diversion values.
- Gross State Product (current \$) is used as economic adjustment
to estimate per capita generation (2001 GSP is estimated by
linear regression since GSP is not yet available).
- Exports to Michigan are included for all years (estimated 1993-95).



	1993	1994	1995	1996	1997	1998	1999	2000	2001
(1a) Indiana Disposal	7,307,029	7,364,330	7,465,218	7,539,062	7,835,401	8,202,162	8,444,399	8,456,005	8,396,641
(1b) Exported to Other States	472,110	646,721	603,251	535,585	607,930	738,367	884,283	1,013,092	1,013,491
(1c) TOTAL Disposal (tons)	7,779,139	8,011,051	8,068,469	8,074,647	8,443,331	8,940,529	9,328,682	9,469,097	9,410,132
(1d) per capita (lb/day/person)	7.4778	7.6454	7.6386	7.5916	7.8895	8.3044	8.6012	8.5331	8.4160
(2a) Diversion (total tons)	1,718,956	2,301,650	2,819,699	3,380,318	3,666,309	4,225,163	4,515,059	5,340,636	6,027,345
(2b) per capita (lb/day/person)	1.6524	2.1966	2.6695	3.1781	3.4258	3.9245	4.1630	4.8127	5.3906
(3a) Generation (total tons)	9,498,095	10,312,701	10,888,168	11,454,965	12,109,640	13,165,692	13,843,741	14,809,733	15,437,477
(3b) per capita (lb/day/person)	9.1302	9.8420	10.3080	10.7697	11.3153	12.2289	12.7642	13.3458	13.8065
(4a) Population	5,700,243	5,741,540	5,787,839	5,828,090	5,864,108	5,899,195	5,942,901	6,080,485	6,126,743
(5a) Gross State Product (million \$)	131,485	141,735	148,447	155,096	162,953	176,110	183,818	192,195	198,829
(5c) Adjustment Multiplier	1.0000	1.0780	1.1290	1.1796	1.2393	1.3394	1.3980	1.4617	1.5122
(6a) % Diversion	18%	22%	26%	30%	30%	32%	33%	36%	39%

Please Note = highlighted areas represent data not yet available, estimated by linear regression or other methods

INDIANA SOLID WASTE DISPOSAL

Analysis of % Diversion - ESTIMATE (New Way)

Modeling Variables:

* 1993 as base year

* Gross State Product as generation growth factor

* All non-hazardous waste going to commercial disposal sites included

	<u>Parameter</u>	<u>Formula (for more info see 35METHOD.wb3)</u>	<u>Source</u>
(1a)	Indiana Disposal	= complex query of quarterly report database system	Quarterly Reports database query OR most current facility data annual report
(1b)	Exported to Other States	= totals in ExportsNew.wb3	MI, IL, KY, and OH state environmental agencies, see ExportsNew.wb3 for details
(1c)	TOTAL Disposal	= Indiana Disposal + Exported = (1a) + (1b)	this file
(1d)	per capita (lb/day)	= Total Disposal / Population * lb / year = (1c) / (4a) * 2000 / 365 = (1c) / (4a) * conv	this file
(2a)	Diversion	1993 = 702,714 increased 20% = 843,257 ; After 1993 = Generation - Disposal = (3a) - (1c)	1993 = Solid Waste Management District Plans increased by estimate based on increase of recycling markets ; After 1991 = this file
(2b)	per capita (lb/day)	= Diversion / Population * lb / year = (2a) / (4a) * 2000 / 365 = (2a) / (4a) * conv	this file
(3a)	Generation	1993 = Diversion + Disposal = (2a) + (1c) ; After 1993 = Generation per capita * Population / 2000 * 365 = (3b) * (4a) / 2000 * 365	this file
(3b)	per capita (lb/day)	1993 = Generation / Population * lb / year = (3a) / (4a) * 2000 / 365 = (3a) / (4a) * conv; After 1993 = 1993 Generation per capita * Economic Adjustment = (3b [1993])*(5c)	this file
(4a)	Population	= latest census or estimate	U.S. Census
(5a)	Gross State Product (million \$)	= Gross State Product / 1,000,000 ; estimated by linear regression for years data is not available. GSP usually takes a number of years to be calculated. For example, GSP 1997 was available in June 1999, 1998 GSP was not yet ready as of July 2000	Current dollars; Bureau of Economic Analysis http://www.bea.doc.gov/bea/regional/data.htm or Indiana State Data Center, 232-3733
(5c)	Economic Adjustment	= Gross State Product / 1993 Gross State Product = (5a) / (5a[1993])	this file
(6a)	% Diversion	= Diversion / Generation * 100 = (2a) / (3a) * 100	this file